

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

(1)

$$8 \overline{)73568}$$

(2)

$$8 \overline{)95134}$$

(3)

$$2 \overline{)83645}$$

(4)

$$2 \overline{)93455}$$

(5)

$$6 \overline{)69814}$$

(6)

$$4 \overline{)83434}$$

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<p>(1)</p> $ \begin{array}{r} 9196 \text{ R}0 \\ 8 \overline{) 73568} \\ \underline{- 72} \qquad (9 \times 8) \\ 15 \\ \underline{- 8} \qquad (1 \times 8) \\ 76 \\ \underline{- 72} \qquad (9 \times 8) \\ 48 \\ \underline{- 48} \qquad (6 \times 8) \\ \text{Remainder --> } 0 \end{array} $	<p>(2)</p> $ \begin{array}{r} 11891 \text{ R}6 \\ 8 \overline{) 95134} \\ \underline{- 8} \qquad (1 \times 8) \\ 15 \\ \underline{- 8} \qquad (1 \times 8) \\ 71 \\ \underline{- 64} \qquad (8 \times 8) \\ 73 \\ \underline{- 72} \qquad (9 \times 8) \\ 14 \\ \underline{- 8} \qquad (1 \times 8) \\ \text{Remainder --> } 6 \end{array} $	<p>(3)</p> $ \begin{array}{r} 41822 \text{ R}1 \\ 2 \overline{) 83645} \\ \underline{- 8} \qquad (4 \times 2) \\ 03 \\ \underline{- 2} \qquad (1 \times 2) \\ 16 \\ \underline{- 16} \qquad (8 \times 2) \\ 04 \\ \underline{- 4} \qquad (2 \times 2) \\ 05 \\ \underline{- 4} \qquad (2 \times 2) \\ \text{Remainder --> } 1 \end{array} $
<p>(4)</p> $ \begin{array}{r} 46727 \text{ R}1 \\ 2 \overline{) 93455} \\ \underline{- 8} \qquad (4 \times 2) \\ 13 \\ \underline{- 12} \qquad (6 \times 2) \\ 14 \\ \underline{- 14} \qquad (7 \times 2) \\ 05 \\ \underline{- 4} \qquad (2 \times 2) \\ 15 \\ \underline{- 14} \qquad (7 \times 2) \\ \text{Remainder --> } 1 \end{array} $	<p>(5)</p> $ \begin{array}{r} 11635 \text{ R}4 \\ 6 \overline{) 69814} \\ \underline{- 6} \qquad (1 \times 6) \\ 09 \\ \underline{- 6} \qquad (1 \times 6) \\ 38 \\ \underline{- 36} \qquad (6 \times 6) \\ 21 \\ \underline{- 18} \qquad (3 \times 6) \\ 34 \\ \underline{- 30} \qquad (5 \times 6) \\ \text{Remainder --> } 4 \end{array} $	<p>(6)</p> $ \begin{array}{r} 20858 \text{ R}2 \\ 4 \overline{) 83434} \\ \underline{- 8} \qquad (2 \times 4) \\ 03 \\ \underline{- 0} \qquad (0 \times 4) \\ 34 \\ \underline{- 32} \qquad (8 \times 4) \\ 23 \\ \underline{- 20} \qquad (5 \times 4) \\ 34 \\ \underline{- 32} \qquad (8 \times 4) \\ \text{Remainder --> } 2 \end{array} $